



# Product Evaluation

WIN1958 | 0115

Engineering Services Program

*The following product has been evaluated for compliance with the wind loads specified in the International Residential Code (IRC) and the International Building Code (IBC).*

*This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.*

*This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.*

*For more information, contact TDI Engineering Services Program at (800) 248-6032.*

**Evaluation ID:** WIN-1958

**Effective Date:** January 1, 2015

**Re-evaluation Date:** March 2017

**Product Name:** Series 4070 Aluminum Horizontal Slider Windows, Impact Resistant

**Manufacturer:** WinDoor Incorporated  
7500 Amsterdam Drive  
Orlando, FL 32832  
(407) 481-8400

## General Description:

System	Description	Label Rating	Design Pressure Rating
1	4070 Aluminum Horizontal Slider Windows; XO, OX; PVB Interlayer	LC-PG80 75 x 64 – Type HS Missile Level D	+80 / -80 psf
2	4070 Aluminum Horizontal Slider Windows; XO, OX; SGP Interlayer	LC-PG90 76 x 74 – Type HS Missile Level D	+90 / -130 psf
3	4070 Aluminum Horizontal Slider Windows; XOX; PVB Interlayer	LC-PG80 112 x 64 – Type HS Missile Level D	+80 / -80 psf
4	4070 Aluminum Horizontal Slider Windows; XOX; PVB Interlayer	LC-PG80 112 x 64 – Type HS Missile Level D	+80 / -80 psf
5	4070 Aluminum Horizontal Slider Windows; XOX; SGP Interlayer	LC-PG90 112 x 74 – Type HS Missile Level D	+90 / -115 psf
6	4070 Aluminum Horizontal Slider Windows; XOX; SGP Interlayer	LC-PG90 112 x 74 – Type HS Missile Level D	+90 / -130 psf

## Product Dimensions:

System	Overall Size	Operable Sash Daylight Opening Size	Fixed Sash Daylight Opening Size
1	75-5/8" x 64"	33-1/2" x 57"	33-1/2" x 57"
2	75-5/8" x 74"	33-1/2" x 67"	33-1/2" x 67"

**Product Dimensions (cont.):**

System	Overall Size	Operable Sash Daylight Opening Size	Fixed Sash Daylight Opening Size
3	112" x 64"	Two: 32-7/8" x 57"	33-1/2" x 57"
4	112" x 64"	Two: 23-1/2" x 57"	52-1/4" x 57"
5	112" x 74"	Two: 32-7/8" x 67"	33-1/2" x 67"
6	112" x 74"	Two: 23-1/2" x 67"	52-1/4" x 67"

**Product Identification (Certification Label (Two Labels) on Window):**

System		
1	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 167-536; CAR 167-1019
	Product Name	4070 AL Imp Horizontal Roller XO (CAR 167-1019) 4070 AL Imp EL/FL Horiz Roller XO (CAR 167-536)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; ASTM E 1886-02/04/05; ASTM E 1996-02/04/06/09
2	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 167-537; CAR 167-1020
	Product Name	4070 AL Imp Horizontal Roller XO (CAR 167-1020) 4070 AL Imp EL/FL Horiz Roller XO (CAR 167-537)
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; ASTM E 1886-02/04/05; ASTM E 1996-02/04/06/09
3	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 167-532; CAR 167-1011
	Product Name	4070 AL Imp EL/FL Horiz Roller XO
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; ASTM E 1886-02/04/05; ASTM E 1996-02/04/06/09
4	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 167-532; CAR 167-1011
	Product Name	4070 AL Imp EL/FL Horiz Roller XO
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; ASTM E 1886-02/04/05; ASTM E 1996-02/04/06/09
5	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 167-535; CAR 167-1014
	Product Name	4070 AL Imp EL/FL Horiz Roller XO 1/3-1/3-1/3
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; ASTM E 1886-02/04/05; ASTM E 1996-02/04/06/09
6	Certification Agency	Keystone
	Manufacturer's Name or Code Name	CAR 167-533; CAR 167-1012
	Product Name	4070 AL Imp Horizontal Roller XO
	Test Standards	AAMA/WDMA/CSA 101/I.S.2/A440-08; ASTM E 1886-02/04/05; ASTM E 1996-02/04/06/09

**Impact Resistance:**

System	Impact Resistant	Requirement
1-6	Yes	These products satisfy TDI's criteria for protection from windborne debris in the Inland I and Seaward zone. Install the assemblies at a height on the structure that does not exceed the design pressure rating for the assemblies.

**Installation:**

System		
1	Type of Installation	Install the windows in accordance with Drawing No. 08-02013, titled "Series 4070 Horizontal Rolling Window XO & OX (PVB Interlayer)," sheets 1 through 7 of 7, dated May 14, 2013, signed and sealed by Luis R. Lomas., P.E on May 14, 2013.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
2	Type of Installation	Install the windows in accordance with Drawing No. 08-02014, titled "Series 4070 Horizontal Rolling Window XO & OX (SGP Interlayer)," sheets 1 through 7 of 7, dated May 14, 2013, signed and sealed by Luis R. Lomas., P.E on May 14, 2013.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
3	Type of Installation	Install the windows in accordance with Drawing No. 08-01994, titled "Series 4070 Horizontal Rolling Window XO 1/3-1/3-1/3 PVB-HVHZ," sheets 1 through 7 of 7, dated May 7, 2013, signed and sealed by Luis R. Lomas., P.E on May 7, 2013.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
4	Type of Installation	Install the windows in accordance with Drawing No. 08-01995, titled "Series 4070 Horizontal Rolling Window XO 1/4-1/2-1/4 PVB-HVHZ," sheets 1 through 7 of 7, dated May 8, 2013, signed and sealed by Luis R. Lomas., P.E on May 8, 2013.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
5	Type of Installation	Install the windows in accordance with Drawing No. 08-01996, titled "Series 4070 Horizontal Rolling Window XO 1/3-1/3-1/3 SGP-HVHZ," sheets 1 through 7 of 7, dated May 8, 2013, signed and sealed by Luis R. Lomas., P.E on May 8, 2013.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	
6	Type of Installation	Install the windows in accordance with Drawing No. 08-01997, titled "Series 4070 Horizontal Rolling Window XO 1/4-1/2-1/4 SGP-HVHZ," sheets 1 through 7 of 7, dated May 8, 2013, signed and sealed by Luis R. Lomas., P.E on October 15, 2014.
	Wall Framing	
	Fasteners	
	Fastener Location/Spacing	
	Fastener Penetration	

**Note:** Keep the manufacturer's installation instructions at the job site during installation. Use corrosion resistant fasteners as specified in the IRC, the IBC, and the Texas Revisions.